

17157  
U.S. PTO
**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 1110-316

First Inventor KIM

Title TURBO-CHARGED INTERNAL COMBUSTION ENGINE WITH IN-CYLINDER EGR AND INJECTION RATE SHAPING

10/82016  
22561-1016  
PTO
 Applicant for Published Patent Application: MACK TRUCKS, INC.  
 Allentown, PA

APPLICATION ELEMENTS		ADDRESS TO:	Assistant Commissioner of Patents Box Patent Application Washington, D.C. 20231
See MPEP chapter 600 concerning utility patent application contents.		<b>ACCOMPANYING APPLICATION PARTS</b> 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program 8. Nucleotide and/or Amino Acid Sequence Submission a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies	
1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>(Submit an original, and a duplicate for fee processing)</i>	2. <input type="checkbox"/> Applicant claims small entity status.	4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) (Total Sheets) [19]	9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))
3. <input checked="" type="checkbox"/> Specification Total pages [ 30 ] <i>(preferred arrangement set forth below)</i>	- Descriptive title of the invention - Cross references to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claims - Abstract of the Disclosure		10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <i>(when there is an assignee)</i>
5. <input checked="" type="checkbox"/> Oath or Declaration (Total Pages) [ 3 ]	a. <input type="checkbox"/> Newly executed (original or copy)	b. <input checked="" type="checkbox"/> Copy from a prior application <i>(37 CFR 1.63(d))</i> <i>(for continuation/divisional with Box 17 completed)</i> <b>[Note Box 5 below]</b>	<input type="checkbox"/> Power of Attorney <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input checked="" type="checkbox"/> Information Disclosure Statement /PTO 1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s). 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). 17. <input type="checkbox"/> Other:
6. <input checked="" type="checkbox"/> Application Data Sheet.			

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below or in an application Data Sheet under 37 CFR 1.76::

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 10/372,929  
 Prior application information: Examiner T. Trieu Group/Art Unit 3748

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

 Customer Number or Bar Code Label 6449

Address	Rothwell, Figg, Ernst & Manbeck Suite 800, 1425 K Street, N.W.				
City	Washington	State	D.C.	Zip Code	20005
Country	U.S.A.	Telephone	202-783-6040	Fax	202-783-6031
Name	George R. Repper, Reg. No. 31,414				
Signature				Date 3.30.06	

**FEE TRANSMITTAL  
for FY 2003  
(Large Entity)**

		<i>Complete if Known</i>	
Application Number			
Filing Date		Herewith	
First Named Inventor		KIM	
Examiner Name		T. Trieu	
Group Art Unit		3748	
Total Amount of Payment	(\$770.00)	Attorney Docket Number	1110-316

**METHOD OF PAYMENT** (check one)

1.  The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
- Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant claims small entity status
2.  Payment Enclosed
  - Check
  - Credit Card

**FEE CALCULATION**

**1. FILING FEE**

Fee	Fee	Fee Description	Fee Paid
Code	\$		
1001	770	Utility filing fee	[770]
1002	340	Design Filing Fee	[ ]
1003	530	Plant Filing Fee	[ ]
1004	770	Reissue Filing Fee	[ ]
1005	160	Provisional Filing Fee	[ ]

**SUBTOTAL**

\$770

**2. CLAIMS**

Paid	Extra Claims	Fee	Fee
Total Claims	[5]	- 20** = [ ]	x \$18 = [ ]
Independent Claims	[1]	- 3** = [ ]	x 86 = [ ]
Multiple Dependent Claims		+ 290 = [ ]	

\*\*or number previously paid, if greater;

**SUBTOTAL**

\$

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

Fee Code	Fee Paid	Fee Description	Fee Paid
1051	130	Surcharge - late filing fee or oath	[ ]
1052	50	Surcharge - late provisional filing fee or cover sheet	[ ]
1053	130	Non-English specification	[ ]
1812	2,520	For filing a request for reexamination	[ ]
1804	920	Requesting publication of SIR prior to Examiner action	[ ]
1804	1,840*	Requesting publication of SIR after Examiner action	[ ]
1251	110	Extension for reply within first month	[ ]
1252	420	Extension for reply within second month	[ ]
1253	950	Extension for reply within third month	[ ]
1254	1,480	Extension for reply within fourth month	[ ]
1255	2,010	Extension for reply within fifth month	[ ]
1401	330	Notice of Appeal	[ ]
1402	330	Filing a brief in support of an appeal	[ ]
1403	290	Request for Oral Hearing	[ ]
1451	1,510	Petition to institute a public use proceeding	[ ]
1452	110	Petition to revive -unavoidable	[ ]
1453	1,330	Petition to revive - unintentional	[ ]
1501	1,330	Utility issue fee (or reissue)	[ ]
1502	480	Design issue fee	[ ]
1503	640	Plant issue fee	[ ]
1460	130	Petitions to the Commissioner	[ ]
1807	50	Processing fee under 37 CFR 1.17(q)	[ ]
1806	180	Submission of Information Disclosure Statement	[ ]
8021	40	Recording each patent assignment per property (times number of properties)	[ ]
1809	770	Filing a submission after final rejection (37 CFR .129(a))	[ ]
1810	770	For each additional invention to be examined (37 CFR 1.129(b))	[ ]
1801	770	Request for Continued Examination (RCE)	[ ]
1802	900	Request for expedited examination of a design application	[ ]
1504	300	Publication fee for early, voluntary, or normal publication	[ ]
1505	300	Publication fee for republication	[ ]
1455	200	Filing application for patent term adjustment	[ ]
1456	400	Request for reinstatement of term reduced	[ ]
Other fee (specify)			

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL**

\$

SUBMITTED BY			Complete (if applicable)		
NAME AND REG. NUMBER	George R. Repper, Reg. No. 31,414				
SIGNATURE		DATE	3-30-04	DEPOSIT ACCOUNT USER ID	XXX